

CLAIMS:

1. A self air bleeding fuel system, providing gravity priming of fuel feed pump.

5           2. A fuel system comprising of, Fuel feed pump 3 below the fuel tank 1, Fuel filter 5 after the fuel feed pump 3, fuel injection pump 8 after the fuel filter 5, injectors taking fuel from fuel injection pump 8, a banjo bolt 7 fitted on the fuel injection pump 8 containing a pressure regulating valve within it, 10 the valve seat of the said valve contains a opening on it, a fuel return line 12 from the said banjo bolt 7 to fuel tank - in sequence.

15           3. A fuel system as defined in 2 above comprising of banjo bolt 7 mounted on the said fuel injection pump 8, containing a pressure valve within it. The valve seat of the said pressure valve containing an opening on it to allow the entrapped air to escape from the system.

20           4. An embodiment of system defined in 1 above containing, a hole provided at any place on the pressure side, to help escape of the entrapped air from the system.

25           5. An embodiment of system defined in 1 above wherein, banjo bolt 7 containing pressure-regulating valve is replaced by a directional valve of any having an opening allowing to escape the entrapped air.